Study, sample size, study design*	Description of intervention	Control(s)	Inclusion criteria	Definition of diastolic dysfunction	Age, yr	Mean LVEF, %	Gender, % women	Setting
ACE inhibitors, an olockers	giotensin-receptor							
Cleland et al, PEP- CHF, (n = 850), RCT <sup>27</sup>	perindopril (titrated)	placebo	age $\ge$ 70, CV hospitalization within past 6 months,	LVEF ≥ ~40%,† clinical + echo criteria	75	64	56	Europe
Zi et al (n = 74), RCT <sup>28</sup>	quinapril, (titrated)	placebo		LVEF ≥ 40%	78	59	65	Two UK hospitals
Lang et al $(n = 12)$ , RCT with crossover <sup>30</sup>	lisinopril (titrated)	placebo		LVEF > 50%, echo diastolic dysfunction	72	NS	58	One UK hospita
Aronow et al $(n = 21)$ , RCT <sup>31</sup>	enalapril (titrated)	allowed furosemide	previous myocardial infarction.	LVEF > 50%	80	64	86	New York City, US
Yip et al (n = 151), RCT <sup>29</sup>	irbesartan (titrated) v. ramipril (titrated))	conventional	clinical history of heart failure within 2 months of screening	LVEF > 45%	74	67	62	Hong Kong
Yusuf et al, CHARM-preserved (n = 3023), RCT <sup>32</sup>	candesartan (titrated)	placebo	previous hospital admission for a cardiac reason	LVEF > 40%	67	54	40	618 centres in 26 countries
Beta blockers								
Aronow et al $(n = 158)$ , RCT <sup>34</sup>	propranolol (titrated)	conventional therapy	previous myocardial infarction.	LVEF ≥ 40%	81	56	71	not specified
Takeda et al (n = 40), RCT³⁵	carvedilol (titrated)	conventional therapy		LVEF ≥ 45%	71	57	48	1 clinic in Japan
Flather et al, SENIORS (total n = 2128, DHF n = 752), RCT <sup>33</sup>	nebivolol (titrated)	placebo	age ≥ 70, recent heart failure admission within 12 months	LVEF > 35%‡	76	NS	37	multicenter, international,11 European countries
Other pharmacolo	gic therapies							
Hung et al $(n = 15)$ , RCT with crossover <sup>37</sup>	Calcium-channel blocker: verapamil 120 mg/day	placebo		LVEF > 50% and echo criteria	65	70	40	Taiwan

Study, sample size,	Description			Definition of diastolic		Gender,		
study design*	of intervention	Control(s)	Inclusion criteria	dysfunction	Age, yr	Mean LVEF, %	% women	Setting
Ahmed et al, DIG ancillary (n = 988), RCT <sup>36</sup>	digoxin 0.125 mg/day, 0.25 mg/day, 0.375 mg/day or 0.5 mg/day	placebo		LVEF > 45%	67	56	41	US, Canada
Cohn et al, Vheft $(n = 83)$ , RCT <sup>38</sup>	isosorbide dinitrate 40 mg QID and hydralazine 75 mg QID v. prazosin 5 mg QID	placebo	Male with cardiac enlargement or dilated left ventricle and exercise intolerance	LVEF ≥ 45%	60	54	0	11 Veteran Affairs hospitals in US
Nonpharmacologi	c therapies							
Galbreath et al (total $n = 1,069$ , DHF $n = 317$ ), RCT <sup>43</sup>	disease management program	usual care		LVEF ≥ 50%, echo criteria	71	62	29	center in Texas
Gary et al $(n = 32)$ , RCT <sup>39-41</sup>	12 week walking program	education only	women, $\geq$ 50 years old	LVEF ≥ 45%, had a diagnosis of diatolic dysfunction or DHF	68	55	100	University of North Carolina, US

Note: ACE = angiotensin-converting-enzyme inhibitor, RCT = randomized controlled trial, DHF = diastolic heart failure, LVEF = left ventricular ejection fraction, echo = echocardiogram, CV = cardiovascular. \*References are available in the main text of the article (www.cmaj.ca/cgi/content/full/180/5/520).

<sup>†</sup>Original trial used wall motion index cutoff of 1.4 which is roughly equivalent to LVEF of 40%. ‡Patients were included if LVEF >35%, but for the non-prespecifed combined outcome, a LVEF cutoff of 40% was used.